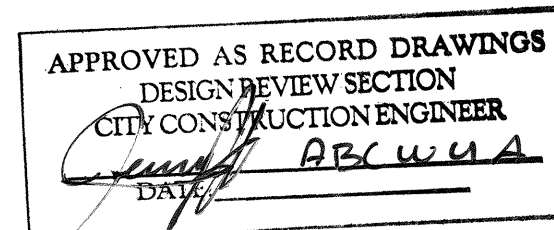


26-7645.82-08


## UTILITY COMPANY CONTACTS


| BUSINESS  | PHONE/E-MAIL   | PERSON  |
|---|--|---|
| ABCWUA<br>P.O. Box 1293<br>Alb., NM 87102                                 | Office phone: (505)768-2729<br>Office fax: (505)768-3629<br>nmusinski@cabq.gov                                   | Nancy Musinski<br>Sr. Engr., Utilities Dev.     |
| AT&T<br>111 3rd Street NW<br>Alb., NM 87103                               | Office phone: (505)842-2911<br>Office fax: (505)842-2890<br>dcrowell@att.com                                     | David Crowell<br>Resource Supervisor            |
| Comcast<br>4611 Montbel NE<br>Alb., NM 87107                              | Office phone: (505)761-6235<br>Office fax: (505)761-0599<br>rita_erickson@cable.comcast.com                      | Rita Erickson<br>Planning and Design Supervisor |
| Xspedius Management Co.<br>505 Marquette NW, Suite 1605<br>Alb., NM 87102 | Office phone: (505)998-2220<br>Office fax: (505)345-6559<br>steve.merrill@xspedius.com                           | Steve Merrill                                   |
| BCG Assets<br>721 4th Street NW<br>Alb., NM 871                           | Office phone: (505)243-2153<br>Office fax: (505)314-0900<br>john@bcgassets.com                                   | John Brown<br>Operations Manager                |
| MCI Worldcom<br>6001 Midway Park NE<br>Alb., NM 87109                     | Office phone: (505)346-4470<br>Office fax: (505)346-4481<br>andy.darnell@mci.com                                 | Andy Darnell<br>Operations Manager              |
| McLeod USA<br>505 Marquette NW, Suite 1600<br>Alb., NM 87102              | Office phone: (505)244-3161<br>Office fax: (505)244-0094<br>Cell Phone: (505)228-3329<br>rdmueller@mcleodusa.com | Rick Mueller<br>Supervisor of Outside Techs.    |
| New Mexico Utilities<br>4700 Irving NW, Suite 201<br>Alb., NM 87114       | Office phone: (505)898-2661<br>Office fax: (505)898-6379<br>sbates@ecoresources.com                              | Steve Bates                                     |
| PNM-Electric<br>4201 Edith NE MS-ES61<br>Alb., NM 87107                   | Office phone: (505)241-3581<br>Office fax: (505)241-0559<br>jhill@pnm.com  | Jim Hill  |
| PNM-Gas<br>4625 Edith NE<br>Alb., NM 87107                                | Office phone: (505)241-7752<br>Office fax: (505)241-7740<br>kbouska@pnm.com                                      | Kelly Bouska<br>District Engineer               |
| Time-Warner Telecom<br>3830 Singer NE, Suite 1000<br>Alb., NM 87109       | Office phone: (505)938-7339<br>Office fax: (505)938-7380<br>Royal.Harrison@twtelcom.com                          | Royal Harrison<br>Plant Manager                 |
| Qwest<br>400 Tijeras NW, Room 710<br>Alb., NM 87102                       | Office phone: (505)245-8352<br>Office fax: (505)245-6733<br>michael.velarde@qwest.com                            | Michael Velarde<br>Manager Engineering          |
| Qwest Long Distance<br>400 Tijeras NW, Suite 570<br>Alb., NM 87102        | Office phone: (505)246-0501<br>Office fax: (505)246-0479<br>larry.kelly@qwest.com                                | Larry Kelly<br>Senior Operations Tech.          |

1. All work detailed on these plans to be performed under this contract shall, except as otherwise stated or provided for herein, be constructed in accordance with the details and specifications of "City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition" as amended through update No. 7, including Addendum No. 1.
2. Five (5) working days prior to beginning utility construction, the Contractor shall submit to Construction Coordination Division a detailed construction schedule. Two (2) working days prior to the start of construction, the Contractor shall obtain a barricading permit from Bernalillo County and Contractor shall notify the Construction Coordination Engineer (924-3400) prior to occupying any intersection. Refer to Section 19 of the General Conditions of the Standard Specifications.
3. An Excavation Permit and Grading and Paving Permit will be required before beginning any work within County right-of-way.
4. Two working days prior to any excavation, the Contractor shall contact the New Mexico One Call System, 260-1990, for location of existing lines.
5. All street striping altered or destroyed shall be replaced with preformed thermoplastic reflectorized pavement markings by the Contractor. Striping shall be placed in the pre-construction location or as indicated by this plan set.
6. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical location of all obstructions including existing utilities. Should a conflict exist, the Contractor shall notify the Engineer or Surveyor so that the conflict can be resolved with a minimum amount of delay.
7. Contractor shall coordinate with Water Systems Division (857-8200) seven working days in advance of any work that may affect existing public water or sewer utilities. Existing valves to be operated by ABCWUA personnel only. Contractor shall contact Water Systems Division seven working days prior to needing valves turned on or off.
8. All water lines to be PVC C900 or DR-18.
9. The Contractor will not be allowed to use Class IV or V soils for embedment of flexible pipe. The Contractor will not be allowed to deflect joints in flexible pipe. Any deflections required to meet horizontal or vertical alignment will be achieved between joints.
10. Back fill compaction requirements shall be according to City of Albuquerque Standard Drawings, **2465.**
11. The Contractor shall assume responsibility for any damage to existing pavement, pavement markings, curb and gutter, drivepads, wheel chair ramps and sidewalk during construction, apart from those sections indicated for removal on the plans; and shall repair or replace damaged items per City of Albuquerque Standards at the Contractor's own expense.
13. Contractor shall record data on all utility lines and accessories as required by the City of Albuquerque Standards for the preparation of "As Constructed" drawings. Contractor shall not cover utility lines and accessories until all data has been recorded.
14. All existing signs, markers, delineators, etc., within the construction limits shall be removed, stored and reset by the Contractor.
15. The Contractor shall notify the Engineer not less than seven (7) days prior to starting work in order that the Engineer may take necessary measures to insure the preservation of survey monuments. Contractor shall not disturb permanent survey monuments without the consent of the Engineer and shall notify the Engineer and bear the expense of replacing any that may be disturbed without permission. Replacement shall be done only by the City Surveyor.
16. The Contractor will be responsible for disposing of all debris, including but not limited to hazardous waste at disposal sites approved by governmental agencies regulating the disposal of such materials.
17. All excavation will be governed by Federal State and Local laws, rules and regulations concerning construction safety and health.
18. All signs and coding will be in accordance with the "Manual of Uniform Traffic Control Devices" 2003 Edition.
19. Contractor will make all water valves and manholes accessible to ABCWUA at all times.
20. Contractor will confine his work, equipment, supplies and employee parking within the designated construction limits and/or public right-of-way.
21. The Contractor agrees to take necessary safety precautions as required by Federal, State and Local Authorities to protect pedestrian and vehicular traffic in the construction area, which includes but is not limited to: maintaining adequate warning signs, barricades, lights, guard fences, walks and bridges.
22. All excavating, trenching and shoring activities must be carried out in accordance with OSHA 29CFR 1926.650, Subpart P.
23. The Contractor shall perform all work in accordance with the National Pollutant Discharge Elimination System (NPDES) and site specific Storm Water Pollution Prevention Plan (SWPPP) requirements.
24. The Contractor shall be responsible for providing & maintaining all construction signing until the project has been accepted by the City of Albuquerque.


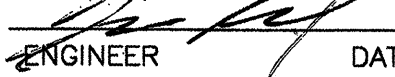
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| SHEET NO. | SHEET DESCRIPTION          |
|-----------|----------------------------|
| 1         | COVER SHEET                |
| 2         | PLAT                       |
| 3         | WATER LAYOUT               |
| 4         | WATER PLAN & PROFILE SHEET |

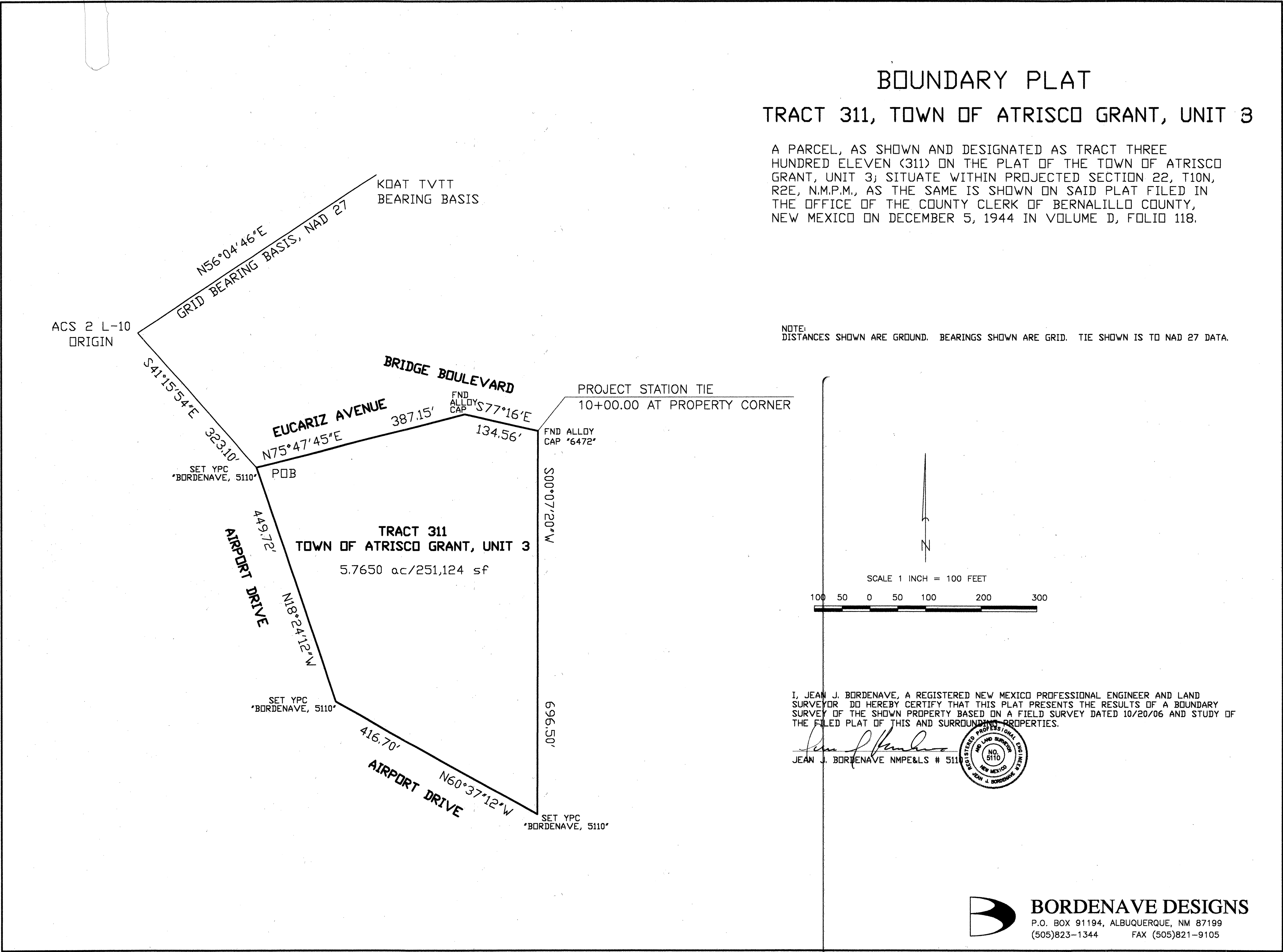
I, Jean J. Bordenave, of the firm of Bordenave designs, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to The best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direct supervision and survey information provided by  , NMPs number 5110



**BORDENAVE DESIGNS**  
P.O. BOX 91194, ALBUQUERQUE, NM 87199  
(505) 823-1344 FAX (505) 821-9105

| REV.  | SHEETS | COUNTY           | DATE                       | USER DEPT.  | DATE   | USER DEPT. | DATE |
|---|--------|------------------|----------------------------|-------------|--|------------|------|
|  |        | <b>APPROVAL</b>  | <b>ENGINEER</b>            | <b>DATE</b> | <b>APPROVED FOR CONSTRUCTION</b>   |            |      |
|   |        | DRC CHAIRMAN     | <i>S. Woodall</i>          | 2-11-08     |  |            |      |
|   |        | TRANSPORTATION   | <i>John J. [Signature]</i> | 02/07/08    |  |            |      |
|   |        | WATER/WASTEWATER | <i>[Signature]</i>         | 2-11-08     |  |            |      |
|   |        | HYDROLOGY        | <i>Timothy [Signature]</i> | 2-11-08     |  |            |      |
|   |        |                  |                            |             |  |            |      |
|   |        |                  |                            |             |  |            |      |
|   |        |                  |                            |             |  |            |      |
|   |        | CONSTR. MNGMT.   |                            |             | <br>ENGINEER DATE 4-11-08 |            |      |
|   |        | CONSTR. COORD.   |                            |             |  |            |      |
| <b>CITY PROJECT NO. 764562</b>  |        |                  |                            |             | <b>SHEET 1 OF 4</b>  |            |      |





| ENGINEER'S SEAL |  | SURVEY INFORMATION         |  | BENCH MARKS                                     |  | AS BUILT INFORMATION   |  |
|-----------------|--|----------------------------|--|---|--|------------------------|--|
|                 |  | FIELD NOTES                |  | ACS 2-L10                                       |  | CONTRACTOR             |  |
|                 |  | NO. BY DATE                |  | ELEV. 5032.957 (NGVD 29)                        |  | WORK ORDER BY          |  |
|                 |  | 811050/BASELINE FIELD SERV |  | 3 1/4" ALUMINUM DISK IN THE TOP OF CURB AT      |  | INSPECTOR'S            |  |
|                 |  | NO. BY DATE                |  | NORTHWEST CORNER OF A TRAFFIC ISLAND IN THE     |  | ACCEPTANCE BY          |  |
|                 |  |                            |  | SOUTHEAST QUADRANT OF THE INTERSECTION OF COORS |  | DATE                   |  |
|                 |  |                            |  | AND BRIDGE BOULEVARDS SOUTHWEST.                |  | DATE                   |  |
|                 |  |                            |  |   |  | MICRO-FILM INFORMATION |  |
|                 |  |                            |  |   |  | RECORDED BY            |  |
|                 |  |                            |  |   |  | NO.                    |  |
|                 |  |                            |  |   |  |                        |  |

| ALBUQUERQUE, BERNALILLO COUNTY<br>WATER UTILITY AUTHORITY |  |                            |  |
|---|--|----------------------------|--|
| TITLE<br><b>PLAT</b>                                      |  |                            |  |
| DESIGN REVIEW COMMITTEE                                   |  | CITY ENGINEER APPROVAL     |  |
|   |  |                            |  |
| MO/DAY/YEAR   |  | MO/DAY/YEAR                |  |
|   |  |                            |  |
| CITY PROJECT NO.<br><b>764562</b>                         |  | ZONE MAP NO.<br><b>L10</b> |  |
| SHEET<br><b>2</b>   |  | OF<br><b>4</b>             |  |

| REVISIONS |      | DESIGN            |       |
|-----------|------|-------------------|-------|
| NO.       | DATE | DESIGNED BY       | DATE  |
|           |      | BORDENAVE DESIGNS | 10/07 |
|           |      | DRAWN BY          | DATE  |
|           |      | METO              | 12/07 |
|           |      | CHECKED BY        | DATE  |
|           |      | JJB               | 12/07 |

SCANNED BY  
PLANNING

EXISTING 30"x8" TEE, 8" PVC PIPE, 8"-90° BEND & 8"x10" REDUCER.  
EXISTING 10" AC PIPE.  
EXISTING 10" TEE, 10" BEND & 10"x8" REDUCER.  
EXISTING 8" AC PIPE.  
EXISTING 8" GATE VALVE.  
EXISTING 10"x8" TEE & 8" BEND.  
REMOVE EXISTING 10" CAP. MAKE NON-PRESSURIZED CONNECTION.

EXISTING 30" C CYL PIPE.  
EXISTING 10"x6" REDUCER & 6" GATE VALVE  
EXISTING 10" PVC PIPE

EXISTING 8" VCP SAS.

EUCARIZ ROAD, S.W.

COORS BOULEVARD, S.W.

AIRPORT ROAD, S.W.

LOT 155

LOT 155

LOT 311

NOTICE TO CONTRACTOR:

1. THE WATER SYSTEMS DIVISION (857-8200) SHALL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
2. ELECTRONIC MARKER DISKS (EMD) SHALL BE PLACED ACCORDING TO SECTION 170 OF THE STANDARD SPECIFICATIONS.

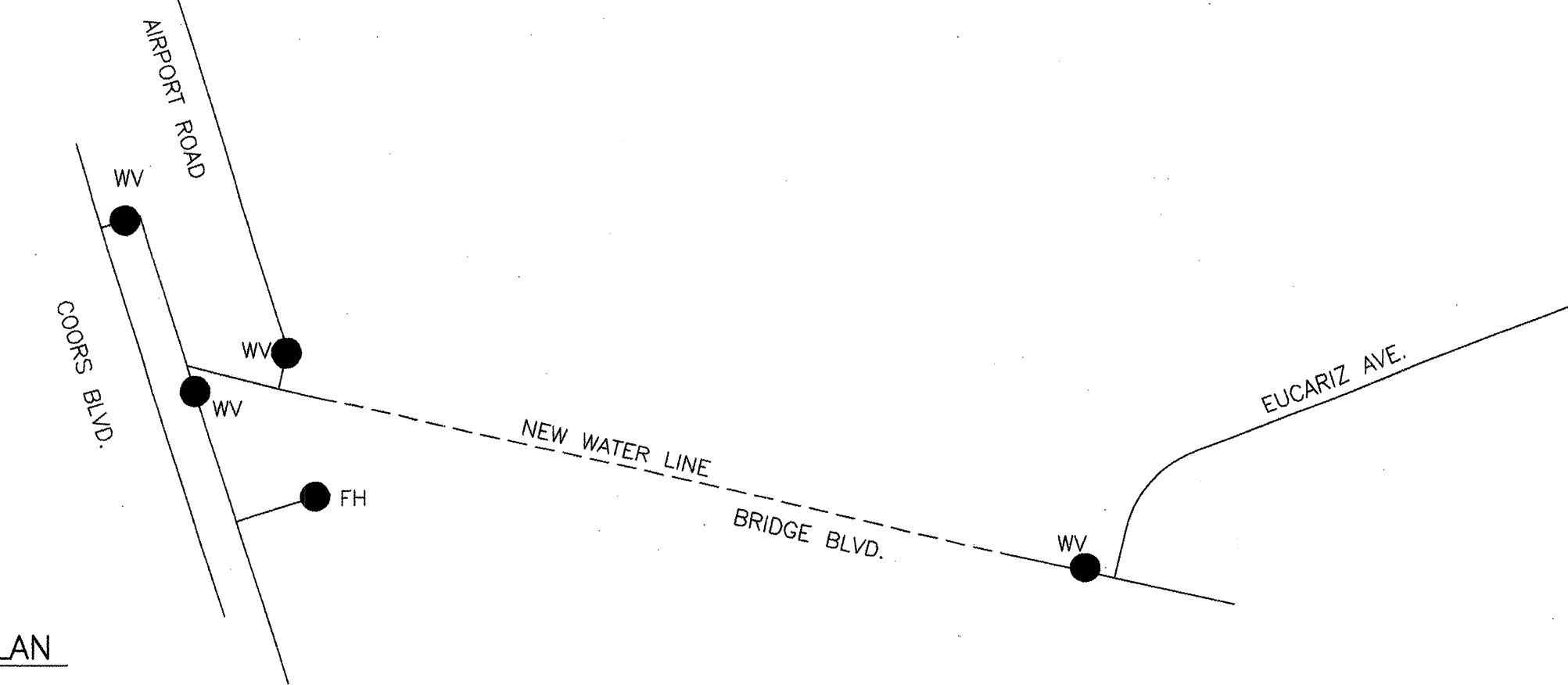
JOINT RESTRAINT TABLE

| FITTING  | ANGLE  | MAIN SIZE |     |     |     |     |
|----------|--------|-----------|-----|-----|-----|-----|
|          |        | 4"        | 6"  | 8"  | 10" | 12" |
| BENDS    | 90°    | 14'       | 21' | 27' | 33' | 39' |
|          | 45°    | 6'        | 9'  | 11' | 14' | 16' |
|          | 22.5°  | 3'        | 4'  | 5'  | 7'  | 8'  |
|          | 11.25° | 1'        | 2'  | 3'  | 3'  | 4'  |
| DEAD END | —      | 4"        | 6"  | 8"  | 10" | 12" |
|          | —      | 32'       | 47' | 62' | 74' | 88' |

RESTRAIN ALL FITTINGS PER TABLE

1. CLOSE VALVES SHOWN (4)
2. DRAIN LINE
3. REMOVE EXISTING CAP AND BLOCKING AT EACH END OF NEW LINE
4. MAKE NON-PRESSURIZED CONNECTIONS
5. OPEN VALVE SHOWN IN AIRPORT DRIVE ON LINE SOUTH TO FIRE HYDRANT
6. OPEN VALVE IN BRIDGE BLVD. WEST OF EUCARIZ AVE. FLUSH LINE AND BLEED AIR THRU FIRE HYDRANT SOUTH OF BRIDGE BLVD.

WATER SHUT-OFF PLAN



EXISTING 2-10" GATE VALVES  
REMOVE EXISTING 10" CAP. MAKE NON-PRESSURIZED CONNECTION.

INSTALL 2-10" 45° BENDS

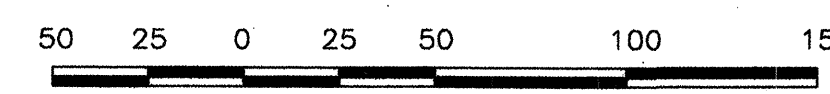
EXIST. 10" PRIVATE FIRE LINE SERVICE

EXIST. 1" WATER SERVICE

THESE FACILITIES WERE CONSTRUCTED IN PROJECT NO. 764561.



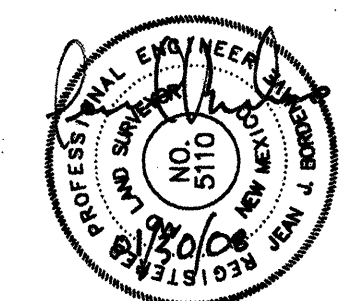
SCALE 1 INCH = 50 FEET



INSTALLATION LEGEND

- MH ● INSTALL SAS MANHOLE
- SAS SVC ●●●●● INSTALL 1 1/4" SAS SERVICE
- FC ●●●●● INSTALL FLUSHING CONNECTION
- FH ●●●●● INSTALL FIRE HYDRANT
- DBL ■■■■■ INSTALL 1" DOUBLE WATER SERVICE
- SGL ■■■■■ INSTALL 1" SINGLE WATER SERVICE
- GV ●●●●● INSTALL GATE VALVE (WATER OR SEWER)

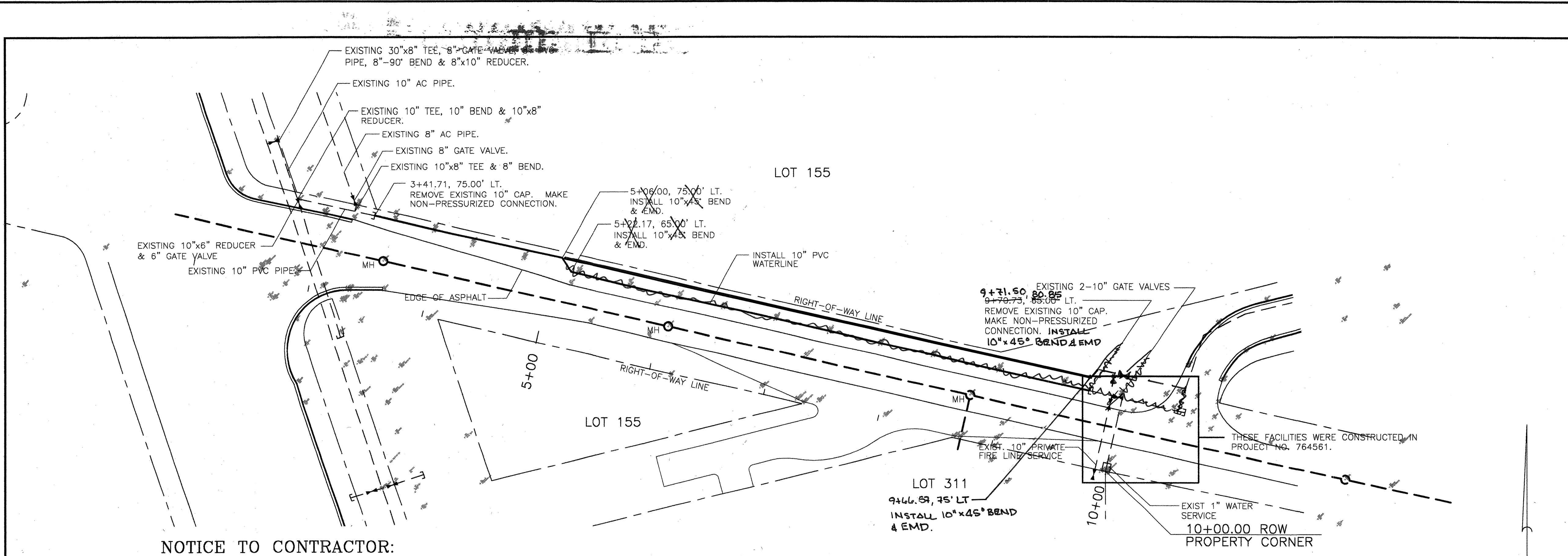
| AS BUILT INFORMATION  |                     | BENCH MARKS |                                     | SURVEY INFORMATION |                           | ENGINEER'S SEAL        |                    |
|---|---------------------|-------------|-------------------------------------|--------------------|---------------------------|------------------------|--------------------|
| CONTRACTOR: SUNSTATE MECHANICAL   | WORKED BY: BASELINE | DATE: 04/08 | INSPECTOR'S ACCEPTANCE BY: BASELINE | DATE: 05/08        | VERIFICATION BY: BASELINE | DATE: 05/08            | DRAWN BY: BASELINE |
| CONTRACTOR'S ELEV. 5032.957 (NGVD 29)   |                     | ACS 2-L10   |                                     | FIELD NOTES        |                           | NO. 8110500            |                    |
| 3 1/4" ALUMINUM DISK IN THE TOP OF CURB AT NORTHWEST CORNER OF A TRAFFIC ISLAND IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF COORS AND BRIDGE BOULEVARDS SOUTHWEST. |                     | DATE: 11/07 |                                     | BY: FIELD          |                           | REMARKS                |                    |
| RECORDED BY: BASELINE   |                     | DATE: 05/08 |                                     | NO. 8110500        |                           | DESIGNED BY: BORDENAVE |                    |
| MICRO-FILM INFORMATION  |                     | NO. 8110500 |                                     | DATE: 12/07        |                           | CHECKED BY: JUB        |                    |



ALBUQUERQUE, BERNALILLO COUNTY  
WATER UTILITY AUTHORITY

|   |  |             |             |
|---|--|-------------|-------------|
| TITLE<br>PUBLIC WATER LINE<br>BRIDGE BLVD. SW, COORS BLVD. TO EUCARIZ RD. |  | MO/DAY/YEAR |             |
| DESIGN REVIEW COMMITTEE   | CITY ENGINEER APPROVAL                   | MO/DAY/YEAR | MO/DAY/YEAR |
| APPROVED<br>FEB 11 2008   | APPROVED<br>APR 11 2008<br>CITY ENGINEER |             |             |
| DESIGN REVIEW COMMITTEE   | ZONE MAP NO.                             | SHEET       | OF          |
| CITY PROJECT NO. 764562   | L10                                      | 3           | 4           |



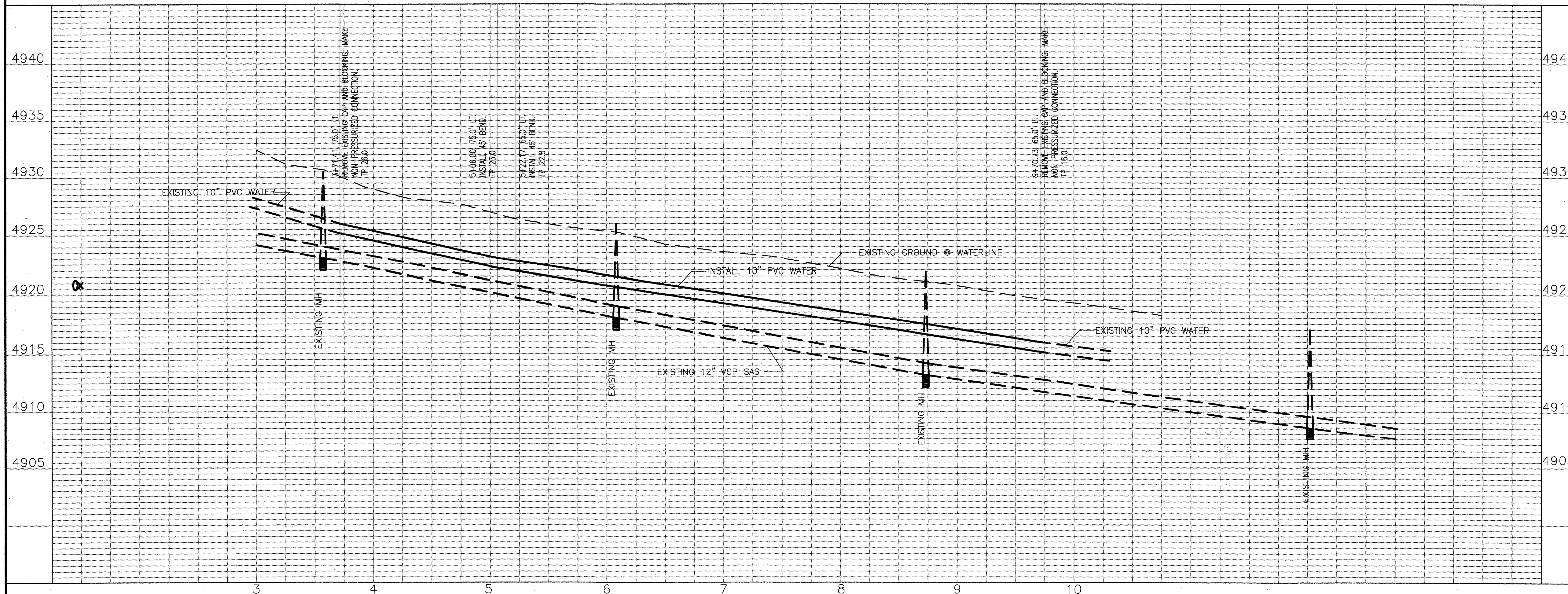


# NOTICE TO CONTRACTOR:

1. THE WATER SYSTEMS DIVISION (B57-B200) SHALL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
2. ELECTRONIC MARKER DISKS (EMD) SHALL BE PLACED ACCORDING TO SECTION 170 OF THE STANDARD SPECIFICATIONS.
3. ALL WATER LINE FITTINGS SHALL HAVE JOINT RESTRAINTS. SEE RESTRAINT REQUIREMENTS ON SHEET 3 OF THESE PLANS.

## BRIDGE BOULEVARD

SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL



## NOTES:

1. SEE SHEET 2 FOR BASE DIMENSIONS AND STATIONING TIE.
2. SEE SHEET 3 FOR UTILITY LAYOUT PLAN (OVERALL UTILITY PLAN).
3. STATIONING IS ALONG THE SOUTH RIGHT-OF-WAY OF BRIDGE BLVD. OFFSETS ARE MEASURED PERPENDICULAR TO THE STATION LINE.
4. ALL UTILITY DIMENSIONS ARE MEASURED TO CENTER OF PIPE HORIZONTALLY AND EITHER TOP OF PIPE FOR PRESSURE FLOW LINES OR INVERT OF PIPE FOR GRAVITY FLOW LINES UNLESS OTHERWISE STATED.
5. CITY OF ALBUQUERQUE STANDARD DRAWINGS  
WATER  
VALVE BOX -2326, 2328  
FIRE HYDRANT -2340  
TYPICAL  
SERVICE LINES  
3/4"-1" METER -2361, 2362, 2366  
PAVING  
UTILITY CUTS-2465

| AS BUILT INFORMATION |                     | BENCH MARKS   |                         | SURVEY INFORMATION |            | ENGINEER'S SEAL                |                   |
|----------------------|---------------------|---|-------------------------|--------------------|------------|--------------------------------|-------------------|
| CONTRACTOR           | Substate Mechanical | NO. 2-L10   | ELEV. 5032.957 (NVD 29) | FIELD NOTES        | DATE 11/07 |                                |                   |
| WORKED BY            | Substate Mechanical | 3 1/4" ALUMINUM DISK IN THE TOP OF CURB AT NORTHWEST CORNER OF A TRAFFIC ISLAND IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF COORS AND BRIDGE BOULEVARDS SOUTHWEST. |                         | BY                 |            |                                |                   |
| INSPECTED BY         |                     |   |                         | NO.                |            | <p>REVISIONS</p> <p>DESIGN</p> |                   |
| DATE                 |                     |   |                         |                    |            |                                |                   |
| VERIFICATION BY      | Bordenave           |   |                         |                    |            | DESIGNED BY                    | BORDENAVE DESIGNS |
| DATE                 | 05/08               |   |                         |                    |            | DRAWN BY                       | METO              |
| ORGANIZED BY         | Bordenave           |   |                         |                    |            | CHECKED BY                     | JUB               |
| RECORDED BY          |                     |   |                         |                    |            |                                |                   |
| DATE                 |                     |   |                         |                    |            |                                |                   |

## COUNTY OF BERNALILLO PUBLIC WORKS DEPARTMENT

|                         |  |  |             |
|-------------------------|--|--|-------------|
| TITLE                   |  | WATER PLAN & PROFILE<br>SOUTHWEST ISD OFFICE |             |
| DESIGN REVIEW COMMITTEE | APPROVED<br>FEB 11 2008<br>DESIGN REVIEW COMMITTEE | MO/DAY/YEAR                                  | MO/DAY/YEAR |
| CITY PROJECT NO.        | 764562   | ZONE MAP NO.                                 | L10         |
| SHEET                   | 4  | OF   | 4           |